

ABSTRACT

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5 The image signal reproduction apparatus of the
~~present invention~~ for reproducing a main image signal
including either a first type of image signal obtained by
converting a film material image into an electrical signal
or a second type of image signal including a video signal
as a material thereof, using a transfer information
including the main image signal and a determination flag
10 for determining whether the main image signal is the first
type of image signal or the second type of image signal,
includes: a first timing signal generation section for
outputting a first timing signal indicating a field to be
repeatedly output in the case where the main image signal
15 is the first type of image signal; a first material
determination section for determining whether the main
image signal is the first type of image signal or the second
type of image signal, based on the determination flag; an
interlaced scanned image signal reproduction section for
20 converting the main image signal to an interlaced scanned
image signal of 60 fields per second in response to an output
of the first timing signal generation section when the first
material determination section determines that the main
image signal is the first type of image signal, and outputs
25 the converted signal or outputs the main image signal as
it is when the first material determination section
determines that the main image signal is the second type
of image signal; a field memory for storing 2 fields of
outputs of the interlaced scanned image signal reproduction
30 section; a field difference detection section for detecting
a difference between an output of the interlaced scanned
image signal reproduction section and an output of the field
memory; a second material determination section for

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HW 4/13/03

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determining whether the main image signal is the first type of image signal or the second type of image signal, based on an output of the first material determination section or on outputs of the first timing signal generation section and the field difference detection section; a timing signal generation section for generating a second timing signal indicating a breakpoint between frames of the film material in the interlaced scanned image signal, based on an output of the field difference detection section when the second material detection section detects that the main image signal is the first type of image signal; and a progressive scanning conversion section for obtaining a progressive scanned image signal by synthesizing 2 fields of interlaced scanned image signals of 60 fields per second in response to the second timing signal when a generation method of an insertion scanning signal is changed in response to an output of the second material determination section and the second material determination section determines that the main image signal is the first type of image signal.

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